James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
EPIROC D60 G18SED0760
Component
Left Final Drive
Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the fluid.

FLUID CONDITION

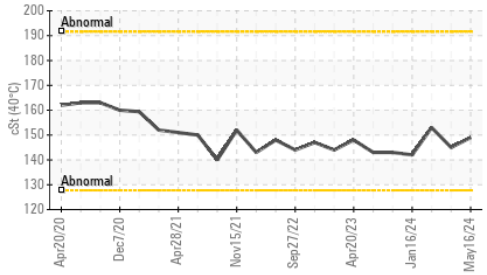
The condition of the fluid is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0209696	JR0212992	JR0202773
Sample Date		Client Info		16 May 2024	21 Apr 2024	20 Feb 2024
Machine Age	hrs	Client Info		10463	10263	9966
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	Changed
Filter Changed		Client Info		None	N/A	None
Sample Status				NORMAL	SEVERE	SEVERE
PQ		ASTM D8184		12	874	942
Iron	ppm	ASTM D5185m	>500	0	▲ 719	▲ 1082
Chromium	ppm	ASTM D5185m	>10	0	6	▲ 9
Nickel	ppm	ASTM D5185m	>10	0	2	▲ 5
Titanium	ppm	ASTM D5185m		0	7	12
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	● 92	● 146
Lead	ppm	ASTM D5185m	>25	0	▲ 97	▲ 126
Copper	ppm	ASTM D5185m	>50	0	▲ 128	▲ 154
Tin	ppm	ASTM D5185m	>10	0	2	2
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	1	▲ 288	▲ 465
Potassium	ppm	ASTM D5185m	>20	0	24	41
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	MODER	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		<1	30	39
Boron	ppm	ASTM D5185m		4	5	12
Barium	ppm	ASTM D5185m		0	3	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		0	7	10
Magnesium	ppm	ASTM D5185m		0	21	39
Calcium	ppm	ASTM D5185m		3	110	135
Phosphorus	ppm	ASTM D5185m		2230	1847	2144
Zinc	ppm	ASTM D5185m		0	83	164
Sulfur	ppm	ASTM D5185m		30797	25477	25259
Visc @ 40°C	cSt	ASTM D445		149	145	153

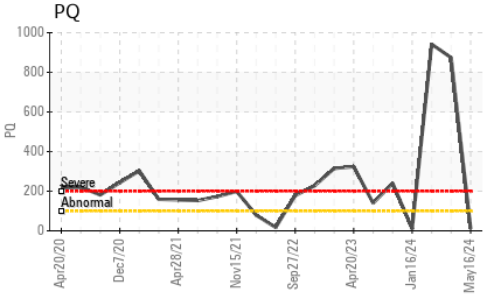
Report Id: MARRALJR [WUSCAR] 06186418 (Generated: 05/23/2024 11:57:19) Rev: 1

Submitted By: JOHN GUASCHINO

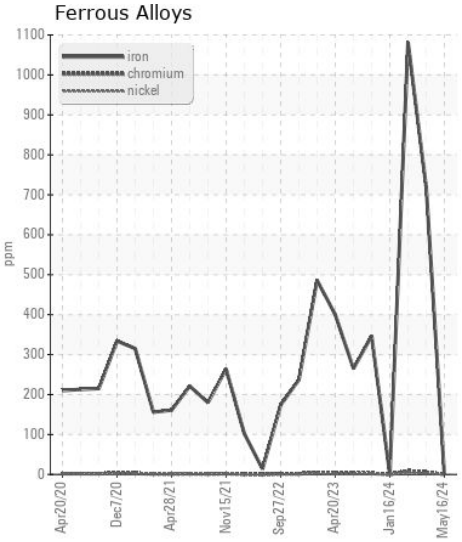
Viscosity @ 40°C



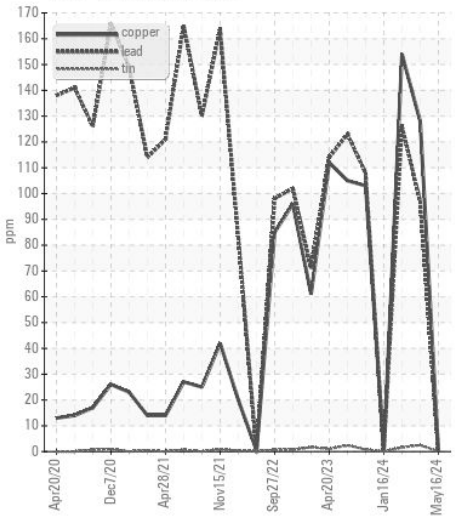
PQ



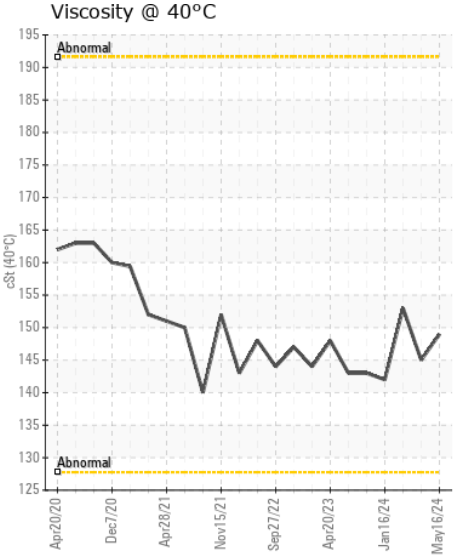
Ferrous Alloys



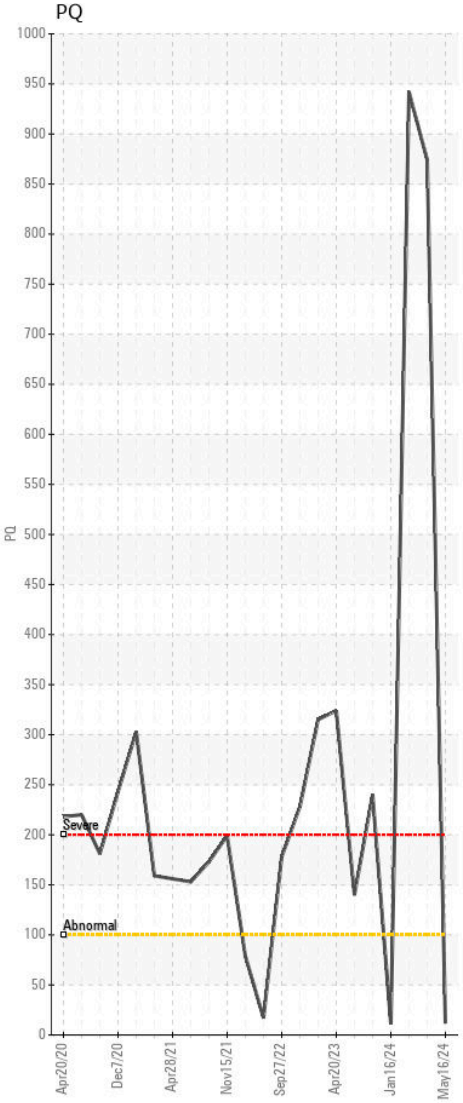
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0209696
Lab Number : 06186418
Unique Number : 11043170
Test Package : CONST (Additional Tests: PQ)

Received : 21 May 2024
Tested : 22 May 2024
Diagnosed : 23 May 2024 - Sean Felton

To discuss this sample report, contact Customer Service at 1-800-237-1369.
** - Denotes test methods that are outside of the ISO 17025 scope of accreditation.*
Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

RDU - MARTIN MARIETTA
PO BOX 30013
RALEIGH, NC
US 27622
Contact: Chad Franks
chad.franks@martinmarietta.com
T:
F: